KOGAN, P.S.; SANINA, N.L.; KAZARNOVSKIY, S.N.; Prinimali uchastiye:

SEDOV, M.P.; KVASOV, A.A.

Removal of acetylenic compounds from the butylene-bivinyl fraction of gases of petroleum product pyrolysis by the methode of selective hydrogenation. Khim.prom. no.10:717-719

O '62.

(Olefins)

(Acetylene compounds)

(Petroleum—Refining)

ACCESSION NR: AP4009729

\$/0075/64/019/001/0117/0120

AUTHOR: Bary\*shnikov, Yu. N.; Kvasov, A. A.

TITLE: Iodometric determination of arylmagnesium compounds

SOURCE: Zhurnal analiticheskoy khimii, v. 19, no. 1, 1964, 117-120

TOPIC TAGS: quantitative arylmagnesium determination, iodometric analysis, arylmagnesium determination, arylmagnesium solution stability, phenylmagnesium, diphenylmagnesium, iodine solvents, arylmagnesium halides

ABSTRACT: This is the first study of such quantitative determination of aryl compounds of magnesium. The reaction is assumed to proceed according to the equation RMgX +  $I_2$  = RI + MgXI and was conducted with an excess of iodine dissolved in benzene or another solvent into which 2-5 ml of the arylmagnesium compound were introduced. The iodine excess was subsequently removed with thiosulfate. Analysis found the reaction to be complete, since varying the amounts proportionally did not change results. Tests with fresh and aged solutions

Card 1/2

ACCESSION NR: AP4009729

of organomagnesium compounds gave satisfactory results. This method is thus considered sufficiently universal and reliable for arylmagnesium halides and diarylmagnesium compounds. Optimal conditions are 3-4 times the theoretical amount of iodine, reaction time of 5-10 minutes and a relatively low-volatile and easily dehydrating iodine solvent (toluene). Orig. art. has: 2 formulas and 2 tables.

ASSOCIATION: Nauchno-issledovatel-skiy institut khimii pri Gor-kovskom gosudarstvennom universitete im. N.I. Lobachevskogo (Scientific-Research Institute of Chemistry of Gor'kiy State University)

SUBMITTED: 06May63

DATE ACQ: 14Feb64

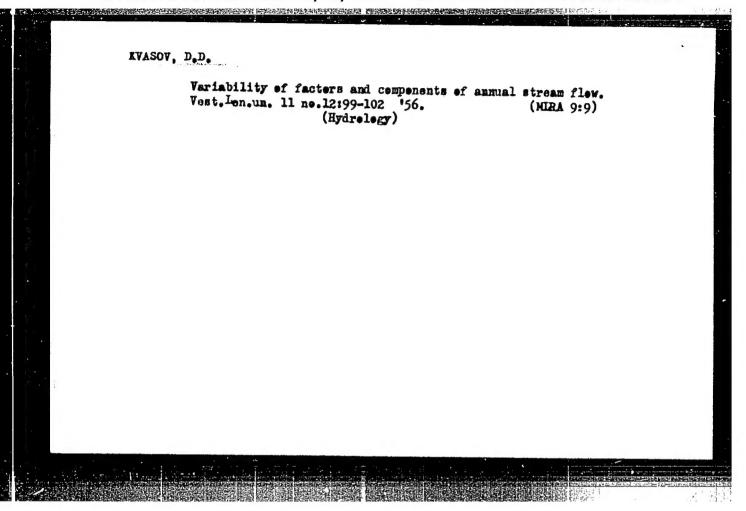
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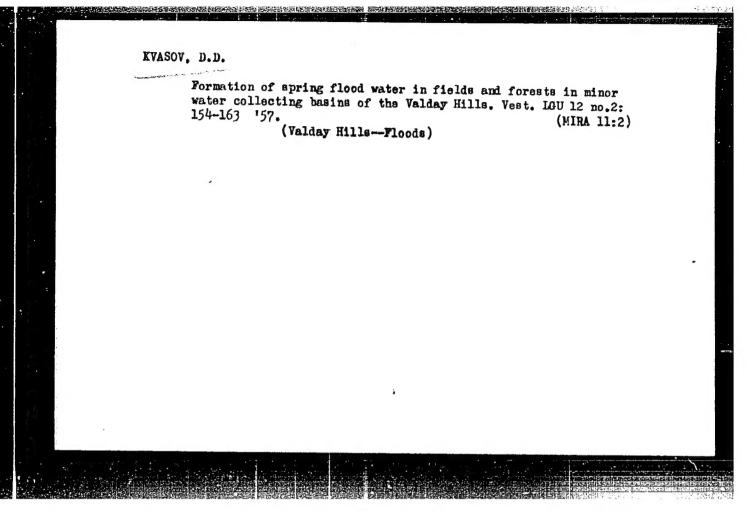
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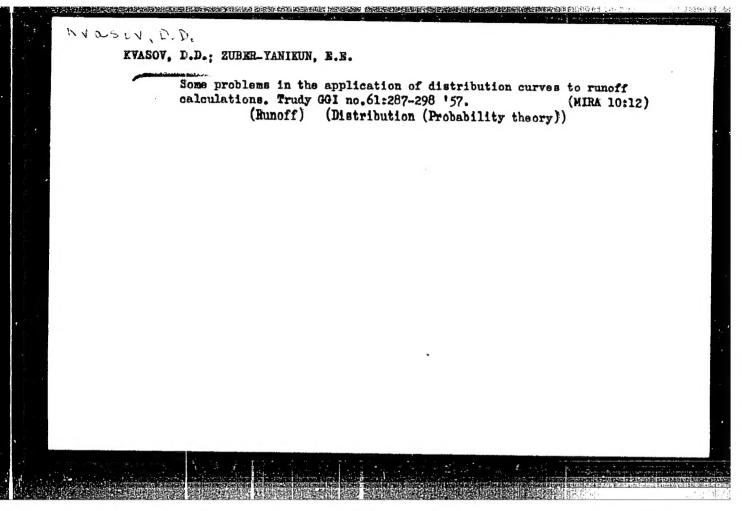
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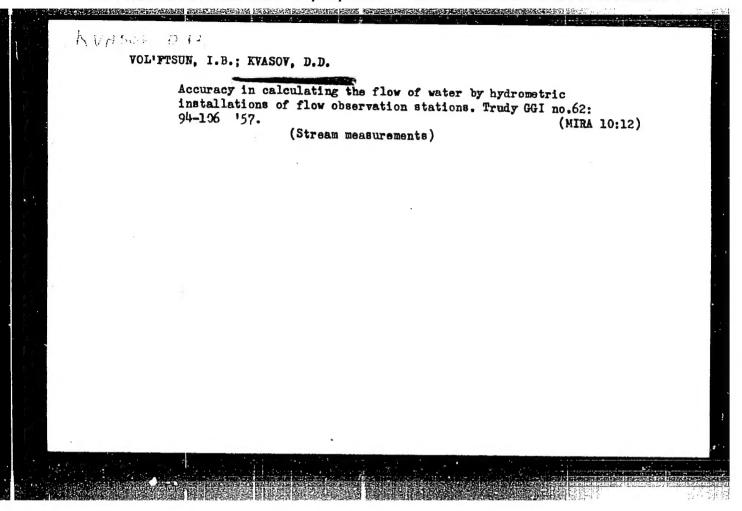
OTHER: 007

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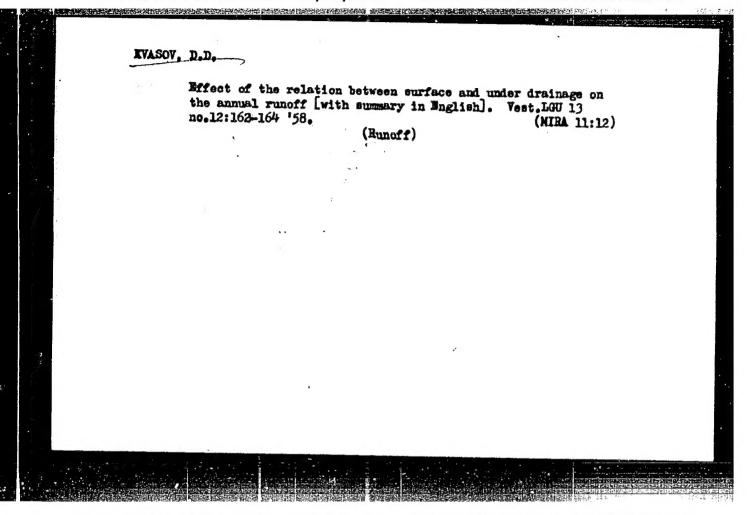






KVASOV, D. D., Cand Geogr Sci — (diss) "Flowoff in the forest sone of the European part of the USSR. Qualitative analysis of the process of formation of flowoff according to data from observations of the sloped flowoff of small currents of water." Len, 1958. 17 pp (Len Order of Lenin State Univ im A. A. Zhdanov), 100 copies (KL, 16-58, 117)

-24-

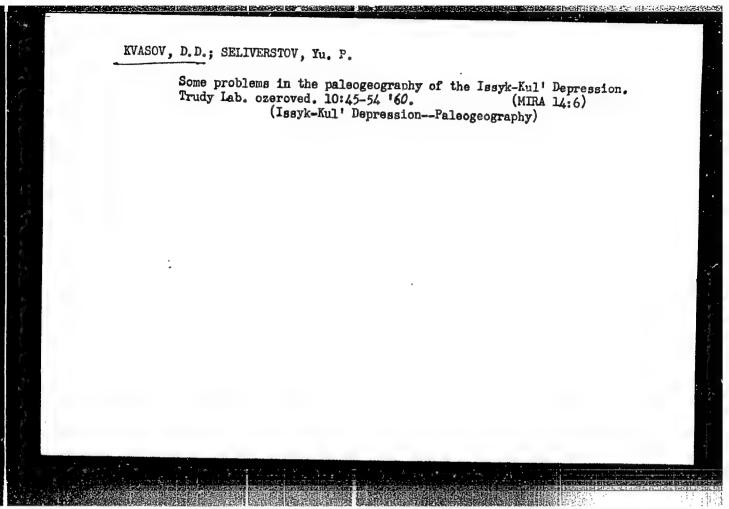


### KVASOV, D.D.

Estimating the forecasts of seasonal phenomena. Sbor. rab. pogidrol. no.1:148-152 159. (MIRA 15:2)

1. Leningradskiy gosudarstvennyy universitet.
(Hydrology)

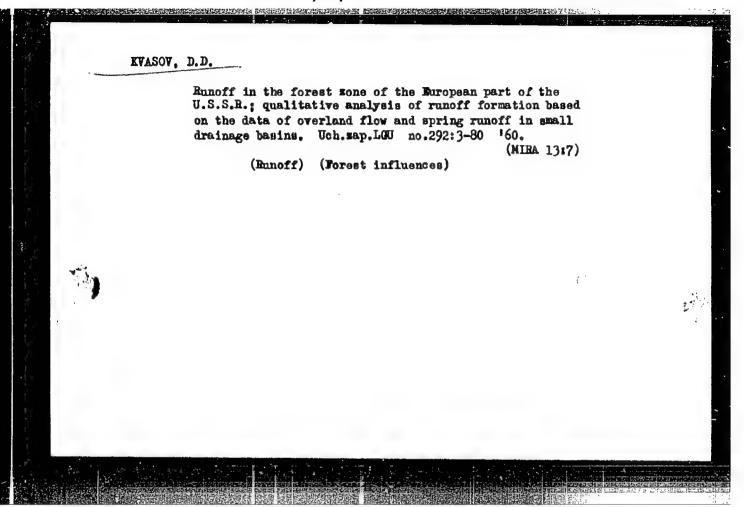
APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928310016-1"

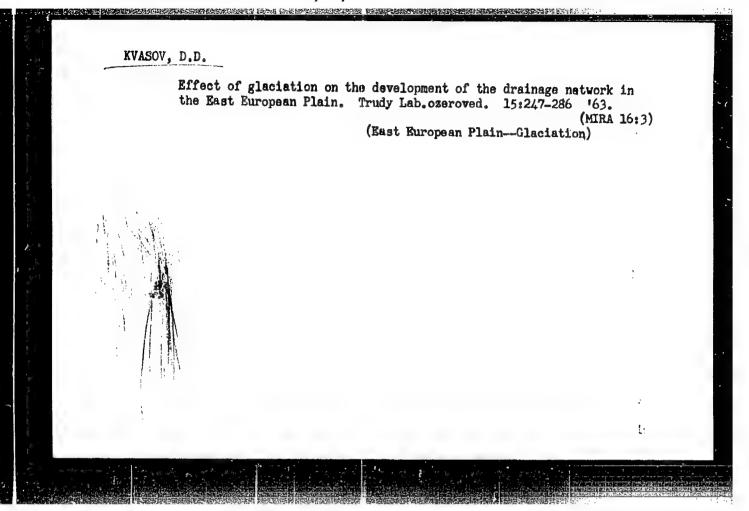


WYASOV, D.D.; LEVIN, I.Ya.

Use of the components of distribution curves in hydrological calculations. frudy 361 no.73:141-145 '60. (MURA 13:6)

(Hydrology-Tables, Calculations, etc.)



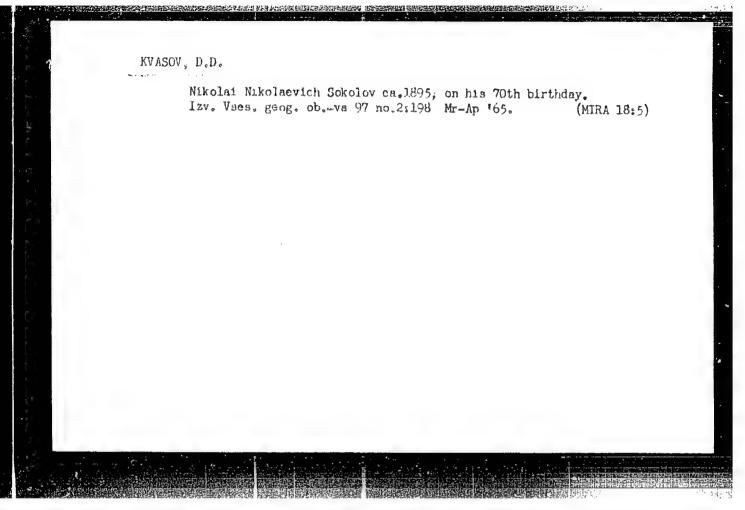


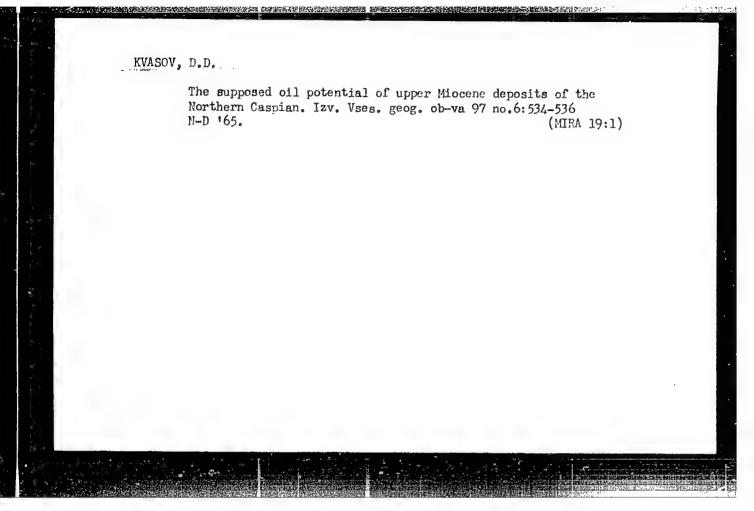
APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928310016-1"

RVASOV, D.D.

Bydrology of the Middle Fliocene in the Caspian Sea region. Bokl. AN SSSR 158 no.2:352-354 S '64. (MIRA 17:10)

1. Predstavleno akademikom D.V.Nalivkinym.





KVASSOV, D. G.

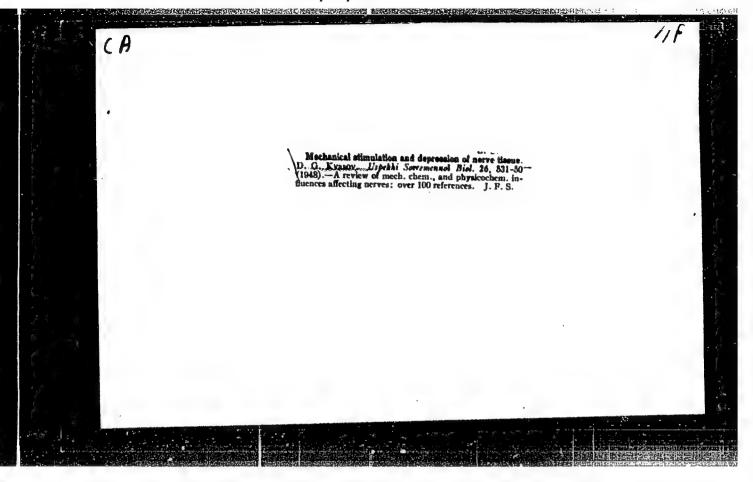
\*A new confirmation of electrical mechanism of nerve conduction\* (p. 376) by Kvassov, D. G.

So: Advances in Modern Biology (Uspekhi Sovremennoi Biologie) Vol. XII, No. 2, 1940

KVASSOV, D. G.

"Kh. S. Koshtoyarts, Essays of the history of physiology in Russia." (p. 311) Rev. by D. G. Kvassov

SO: Advances in Modern Biology (Uspekhi Soveremennoi Biologii) Vol. XXIII, No. 2, 1947



60/49175 KVASOV, D.G. Sep/Oct 48 Physiology Mervous System "Review of Academician I. S. Veritov's 'General Physiology of the Muscular and Mervous Systems, ' Revised Edition," D. G. Kvasov, 7 pp "Uspekh Sovrem Biol" Vol XXVI, No 2 (5) Book covers most important theoretical concepts of Soviet scientists during past 10 years from a new viewpoint. It has, however, a number of minor deserve fects which are given in some detail. Inaccuracies in the index are also noted. 60/49175

KVASOV, D. G.		USER/Wedicine - Nerv Physiol Changes in the cond- and topographic fac- and "sensitiveness" sistance and the ce-	Trunctional Resistance	UssB/hodicine -
		ous System, logy, (Contd.) ltion of the nervous to injurious stimuntarial nervous system	ance of the Nervous Tillo Lability, II, "D. G. Pavlov, Gr. pp p. Pavlov, Gr. pp p. Pavlov, Gr. pp p. Tool XXXIV, No h. ". Vol XXXIV, No h. Lability, "Ol XXXIV, No h. Lability, and labor: (1) how to measure the constant of the con	Mervous System, Physiology Figurerature, Effects
	16/49175	Jul/Aug 48 tissues, resistance i; (3) re- n. Submitted	Tissues and G. Kvasov, kiy, Ieningred t Leningred of temperature, 16/49775	In Sus the

PA 16/49T78

48

Solution

Booli c

KVASOV, D. G.

USSR/Medicine - Nervous System, Jul/Aug 48
Physiology

Medicine - Chronaxia

"Functional Resistance of the Nervous Tissues and Its Relationship to Iability, III, "D. G. Kvasov, Physiol Inst imeni Acad A. A. Ukhtomskiy, Leningrad State U and Chair of Physiol, First Leningrad Med Inst imeni Acad I. P. Pavlov, 52 pp

"Fiziol Zhur SSSR" Vol XXXIV, No 4

Reports experiments on frogs. Discusses refractivity, chronaxia, resistance, and metabolic nerve potential. Submitted 7 Jul 1946.

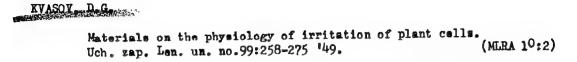
16/49178

EVASCY, D. C. - "Nerves and nerve centers (Physiological parallelism)," Trudy fizicl.

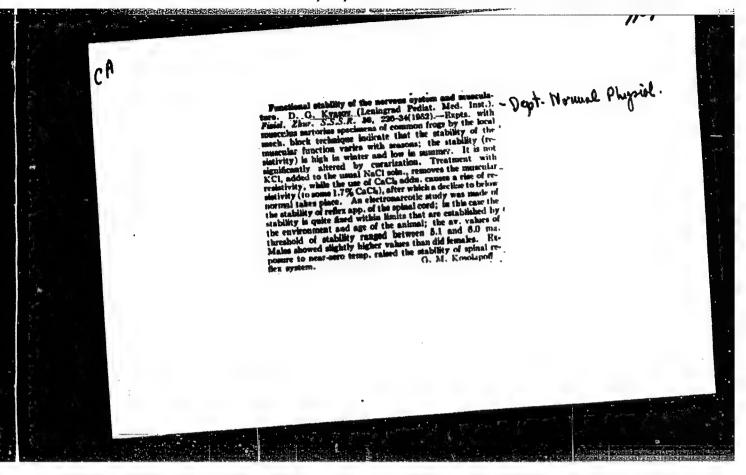
Rivasov, D. C. - "Nerves and nerve centers (Physiological parallelism)," Trudy fizicl.

1 laboratoriy im. Pavlova, Vol. XV, 1949, p. 394-405

S0: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)



1. Iz Fiziologicheskogo instituta imeni A.A. Ukhtomskogo Leningradskogo gosudarstvennogo ordena Lenina universiteta. (PLANTS--IRRITABILITY AND MOVEMENTS)

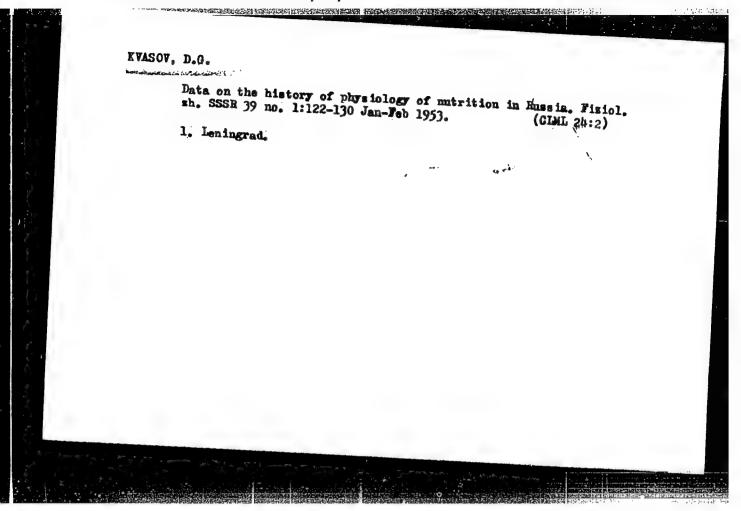


と、これのは、これを表現を表している。

### KVASOV, D.G.

Development of automatic movements of the hand; electrophysiologic studies. Fixiol. sh. SSSR 38 no.4:423-433 July-Aug 1952. (CLNL 23:2)

1. Laboratory of Electrophysiology of the Department of Physiology imeni I. P. Pavlov of the Institute of Experimental Medicine of the Academy of Nedical Sciences USSR and Department of Normal Physiology of First Medical Institute imeni I.P. Pavlov, Leningrad.



APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928310016-1"

USSR/Biology - Physiology Card 1/1 Pub 33-16/18 FD-2285 Author Kvascv, D. G. Title I. P. Pavlov's letters to M. N. Shaternikov, S. I. Chechulin and Periodical: Fiziol. zhur. 40, 618-631, Sep-Oct 1954 Abstract Gives transcripts and commentary on twenty-nine letters written by I. P. Pavlov to M. N. Shaternikov, S. I. Chechulin, and G. Kovan'ko during the period 1905-1936. Photograph. Institution: Institute of Physiology imeni I. P. Pavlov of the Academy of Sci-Submitted :

·USSR/Medicine-Physiology

FD-2422

Card 1/2

Pub 17-5/21

Author

\*Kvasov, Prof D. G. and T. A. Trofimova THE RESERVE OF THE PARTY OF THE PARTY.

Title

On one of the conditioned transitions from pressor reflex reaction of

the vascular system to depressor reflex reaction.

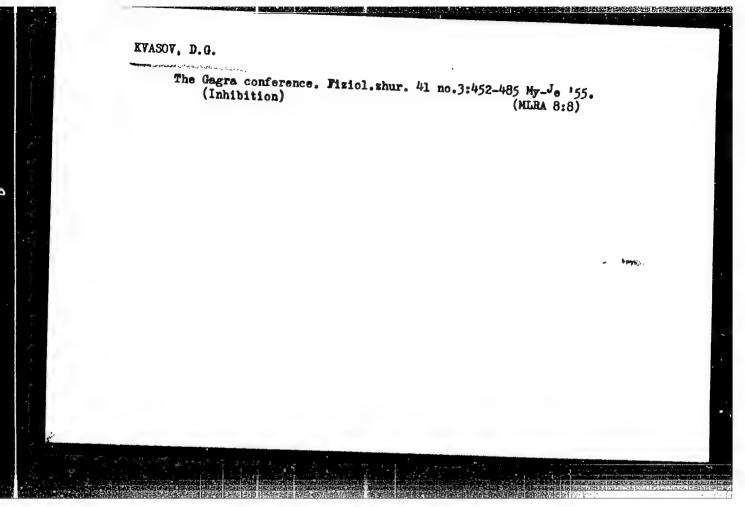
Periodical: Byul. eksp. biol. i med. 39, 19-21, Jan 1955

Abstract

It is known that irritation of the sciatic nerve causes an increase in blood pressure. Some Soviet scientists however, called the sciatic nerve a pressor in contradistinction to the depressor nerve of the heart or the sino-carotid nerve whose irritation reduces blood pressure. This was disputed by N. Ye. Vvedenskiy and A. A. Ykhotom-skiy. The possibility of "remodeling" the pressor into a depressor had already been shown by I. P. Pavlov in 1878. Authors therefore studied the role of stimulation of the receptors of internal organs by observing the reaction of the vascular system to the stimulation of the sciatic nerve. There were two series of experiments; first sustained, but weak stimulation of stomach and intestinal receptors resulting in a sharp, prolonged rise of blood pressure. Second: repeated short stimuli of considerable force of stomach receptors producing a decrease of the blood pressure. Further report on continued experiments will follow in later papers. No references.

Institution:

Chair of Normal Physiology (\*Head, Prof.D. G. Kvasov) of the Leningrad Pediatrics Medical Institute, Leningrad



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USSR/Human and Animal Physiology - Nervous System.

T-10

Mos Jour

: Ref Zhur - Bioli, No 7, 1958, 32118

Author

: Kvasov, D.G.

Inst

Title

: Reflex Reactions of External Muscles of the Eye in Lower

Animals in Response to Inadequate Stimulation.

Orig Pub

: V. sb.: Probl. sovrem. fiziol. nervn. i myshechn. sistem.

Tbilisi, AN GruzSSR, 1956, 115-120.

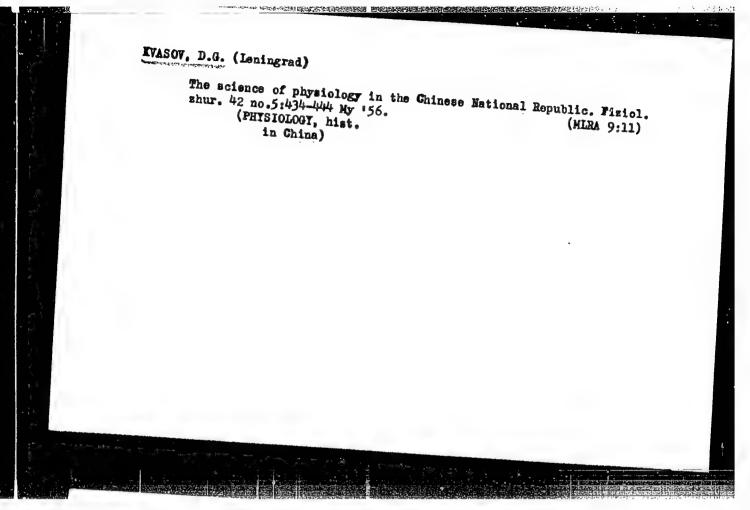
Abstract

In frogs, in contrast to rabbits and cats, the external wascles of the eye (EME) do not exhibit tonic tension in a dorment condition. In contrast to miscles of the locomotive apparatus, they also display no electric activity during distension. However, during stimulation of the cornea of the eye, of the mucous lining, of the skin of EME in frogs, a one-sided protective reflex of retraction of the ocular globe inward is usually caused. In addition ,

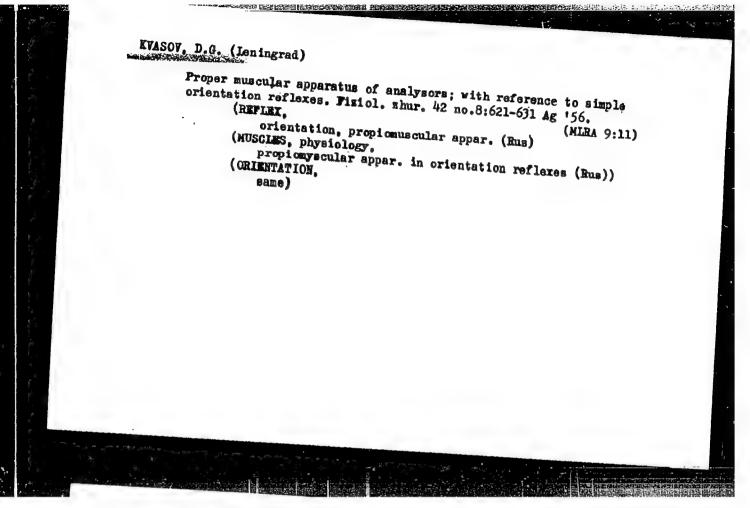
the rate of electrical discharges of EME reaces 80-100

Card 1/2

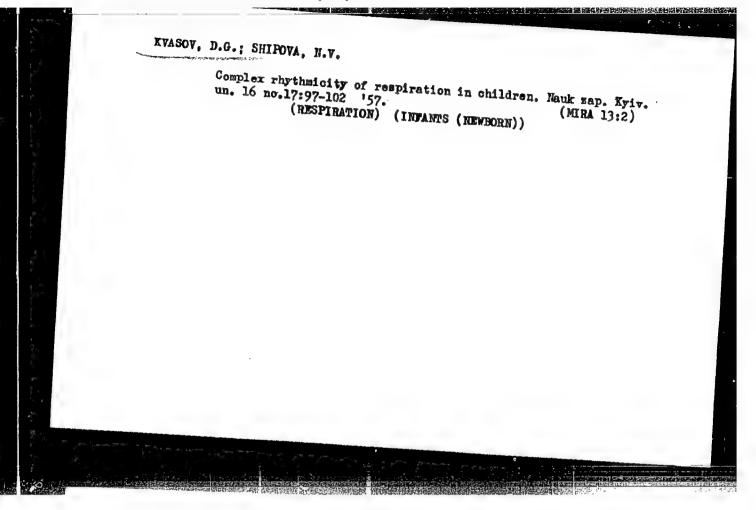
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USSR/Human and Animal Physiology. The Nervous System

T-12

Abe Jour : Ref Thur - Riol., No 14, 1958, No 65641

huthor : Kvasov D.G.

Inst Title

: Conduction, Inhibition and Stability

Orig Pub : Fiziol. zh. SSSR, 1957, 43, No 8, 744-752

Abstract : One must distinguish between the highly specialized functional structures (SFS) of cells and protoplasm in general. The SFS which provide for the poisoning of defininte functions of the cell can be found not only in the state of excitation or inhibition but also at rest. The stimulated cell can reac t with a general "primary protoplasmic reaction" or only through reaction of its SFS. The transition of the SFS from rest to a state of excitation represencts the emergence of a qualitatively new state. Upon subthreshold stimulation of nervous tissue, there my arise: a) a local gradual reaction and b) a local nongraded impulse. The latter is the response of the SFS. Between

Card : 1/3

## APPROVED FOR RELEASE: 06/19/2000 The CIA-RDP86-00513R000928310016-1"

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65641

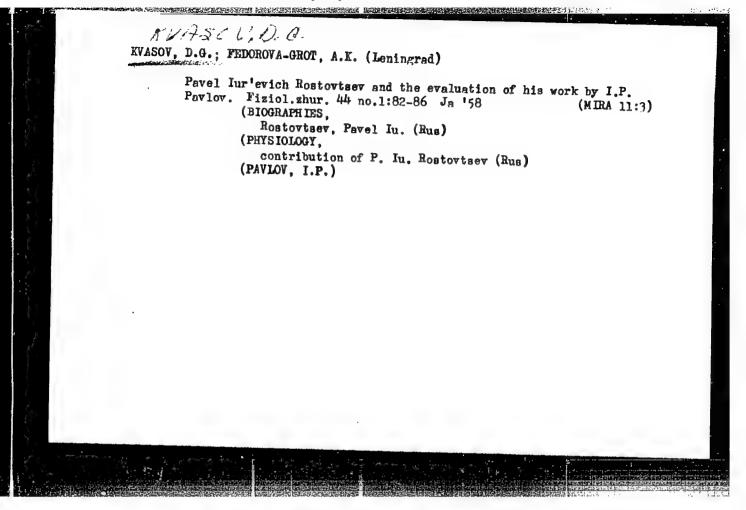
the two there is a characteristic difference similar to the difference between the resting current and the action current. According to the latest data, the action current cannot undergo a gradual transition to a resting current. The impulse is a local phenomenon. Its dissemination results from a chain of local excitations which arise as reactions and are manifested as stimuli. One must distinguish between the concepts of excitability and conductivity, and return to Verigo's idea, which is supported by the most recent data, of the "slatation" of an impulse through a nonconduction portion, and recognize the existence. of SFS which provide for conduction. Disturbance in the SFS of conduction lies at the basis of inhibition, which in essence amounts to a "hypodromism" (reduced conductivity). The refractory period of a nerve may result, not from reduced excitability or conflict between two stimuli, but through a weakening or loss of conductivitu. Both

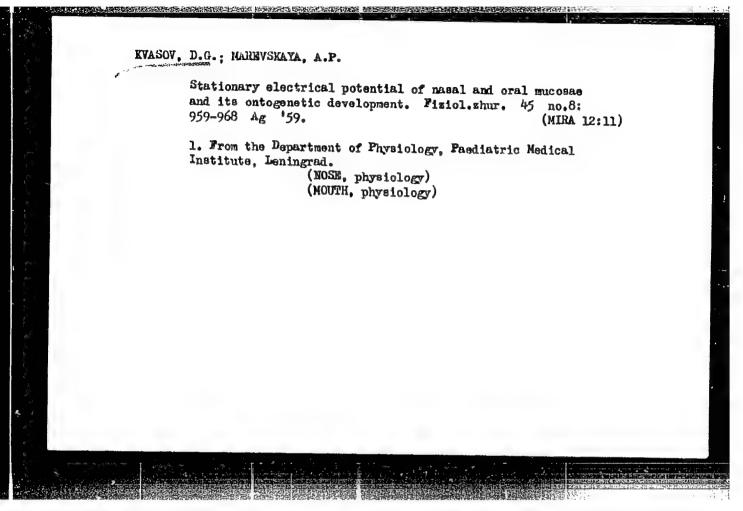
Card

# KVASOV, D.G.

Physiology in Chinese People's Republic. Cas. lek. cesk. 96 no. 23:20-24 7 June 57.

1. Fiziologiceskij zurnal SSSR, c. 5, 1956 str. 434-4444.
(PHYSIOLOGY,
in China (Cz))





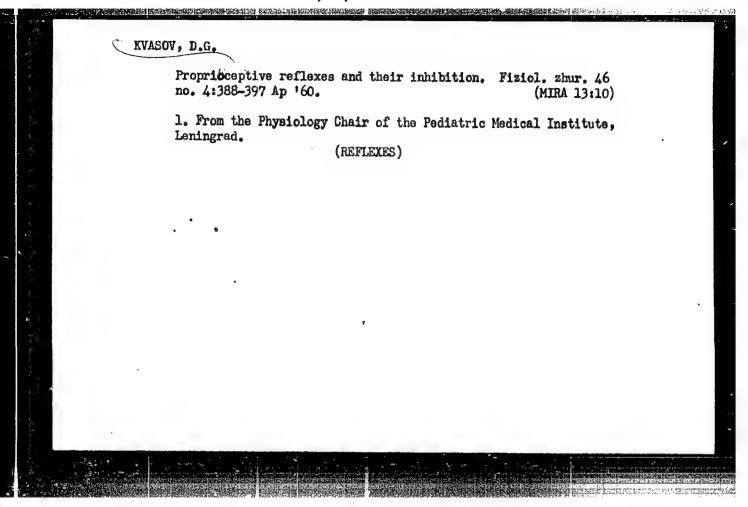
Assistants of I.P. Pavlov in his investigations of the digestive apparatus during the latter part of the nineteenth and the early part of the twentieth century. Fixiol.shur. 46 no.1:126-132 Ja '60.

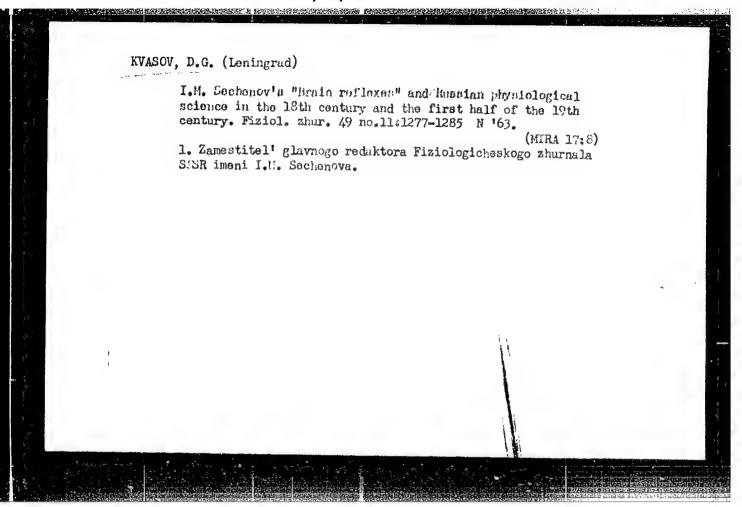
(MIRA 13:5)

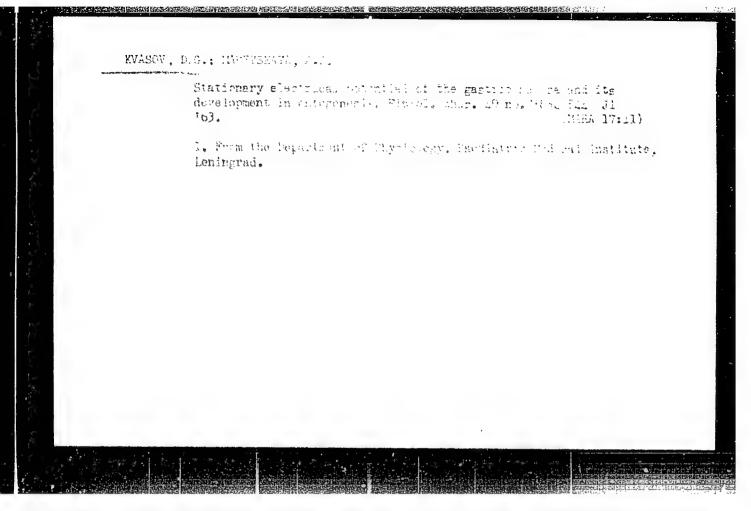
1. From the pediatric medical institute and the department of history of physiology of the I.P. Pavlov Institute of Physiology, Leningrad.

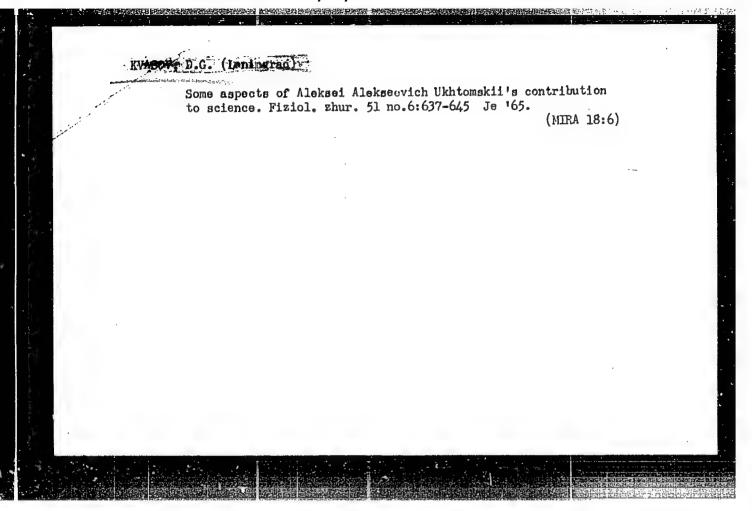
(GASTROINTESTIMAL SYSTEM physiol.)

(BIOGRAPHIES code for Pavlov)





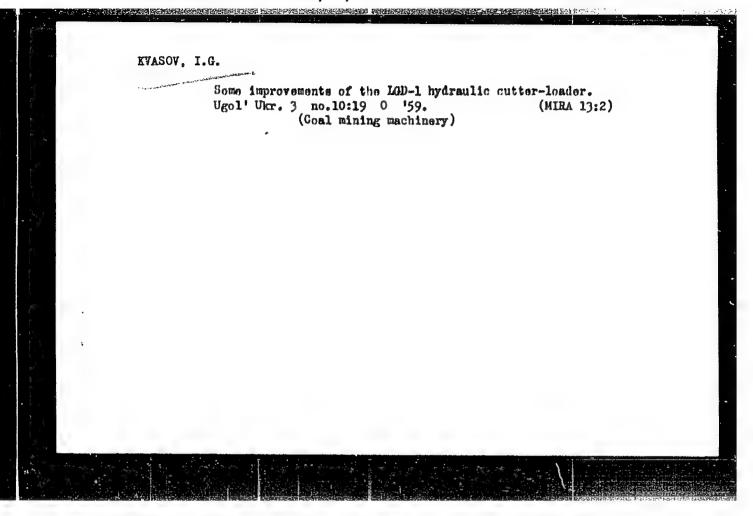




EVASOV, P.G. (Leningrad)

Time factor and other conditions in herve and muscle stimulation in the works of 1.0.80-chency and other languagement of the 19th century.

Piziol, zhur. 50 no.12:1507-1511 D 164. (HEA 19:9)



KVASOV, Ivan Tikhonovich, udarnik kommunisticheskogo truda, sekretar¹ partiynoy organizatsii; MEZINOV,M.M.,red.; LAVRENOVA, N.B., tekhn. red.

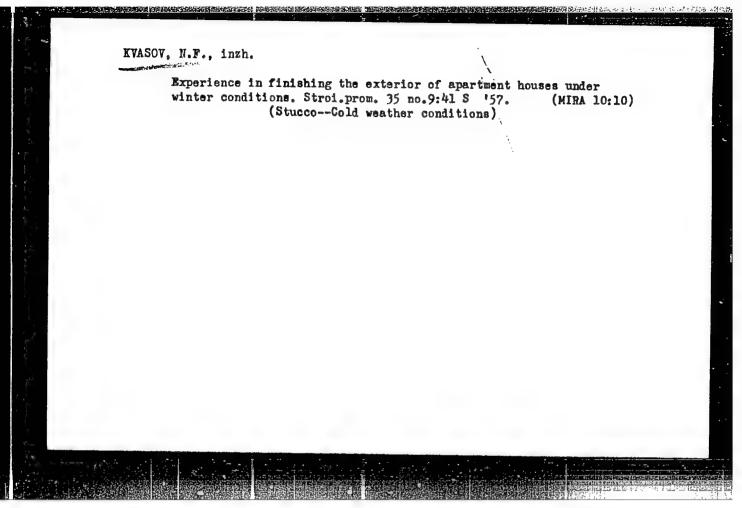
[Following the right course; deeds and people of the crew of communist labor manning the motorship "Baltiisk."] Vernym kursom; dela i liudi ekipazha kommunisticheskogo truda teplokhoda "Baltiisk." Moskva, Izd-vo "Morskoi transport," 1960. 89 p. (MIRA 14:9)

(Socialist competition) (Baltiisk (Ship))

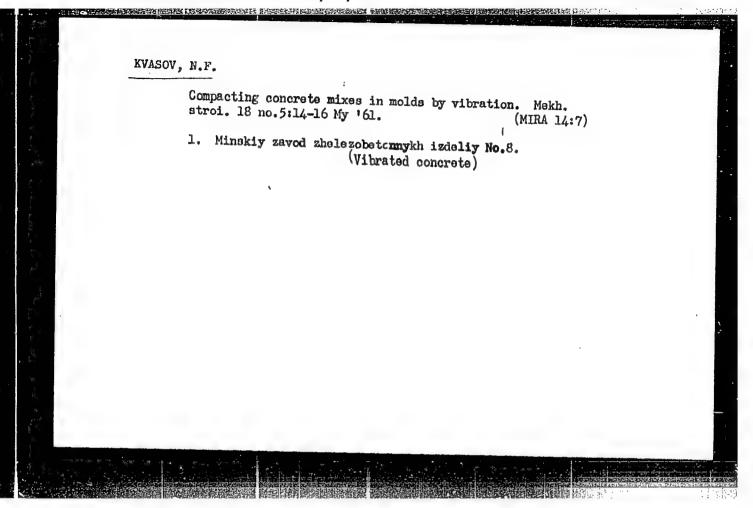
BUBNOVSKIY, G.A., inzh.; KVASOV, M.F.

Prospects for decreasing construction time. Energ. stroi. no.38:25-29 '64. (MIRA 17:10)

1. Trest "Kuzbassenergostroy" (for Bubnovskiy). 2. Glavnoye upravleniye po stroitel stvu i montazhu teplovykh elektrostantsiy Urala i Sibiri Ministerstva stroitel stva elektrostantsiy SSSR.



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KVASOV, N.F., inzh.

Reinforced-concrete stands for press pedestals. Mashinostroenie no.5:39-41 S-0 '63. (MIRA 16:12)

l. Eksperimental'nyy nauchno-issledovatel'skiy institut kuznechno-pressovogo mashinostroyeniya.

MURAVIYEV, Aleksandr Andreyevich; CHERTETSOV, Vasiliy Nikolayevich;
KVASOV, N.V., red.; TELESHOV, R.Kh., red.izd-va;
EELOGUROVA, I.A., tekhn. red.

[New form for promoting and introducing the work of innovators] Novaia forma propagandy i vnedreniia opyta novatorov.

Leningrad, 1962. 21 p. (MIRA 16:3)

(Technological innovations)

SHMELEV, Aleksandr Ivanovich; KVASOV, N.V., red.

[Voluntary forms of aid to technological progress; work practices of the voluntary offices of technological information in White Russia] Obshchestvennye formy sodeistviia tekhnicheskomu progressu; opyt raboty obshchestvennykh biuro tekhnicheskoi informatsii v Belorussii.

Leningrad, 1963. 36 p. (NIRA 17:7)

MURAV'YEV, Aleksandr Andreyevich; CHERTETSOV, Vasiliy Nikolayevich; KVASOV, N.V., red.; TELYASHOV, R.Kh., red. izd-va; GVIRTS, V.L., tekhn. red.

[Initiative of Leningrad workers is spreading throghout the country; fair of innovations in White Russia] Pochin leningradtsev rasprostraniaetsia po strane; o iarmarke novatorskikh predlozhenii v Belorusskii. Leningrad, 1963. 9 p. (MIRA 16:10)

(White Russia-Technological innovations)

GONCHAROV, Aleksandr Ivanovich; KVASOV, N.V., red.; TELYASHOV, R.Kh., red.izd-va; GVIRTS, V.L., tekhn. red.

[Practice of the volunteer design office at the Kirov Plant of Hoisting and Conveying Machinery] Opyt raboty obshchestvenno-konstruktorskikh biuro na zavode PTO .m., S.M.Kirova. Leningrad, 1963. 18 p. (MIRA 17:3)

LANDO, Moisey Emmanuilovich; SKORODUMOVA, Nina Dmitriyevna;
KVASOV, N.V., red.; ALABYSHEVA, N.A., red.izd-va;
GVIRTS, V.L., tekhn. red.

是一个人,这个人就是一个人的人,我们就是一个人的人,我们就是一个人的人的人,我们就是一个人的人的人,也不是一个人的人,也不是一个人的人,也不是一个人的人,也不是 第一个人,也不是一个人的人,我们就是一个人的人,我们就是一个人的人的人,我们就是一个人的人的人,我们就是一个人的人,我们就是一个人的人,我们就是一个人的人,我们

[New developments in the promotion of technology in an industrial enterprise] Novoe v tekhnicheskoi propagande na promyshlennom predpriiatii. Leningrad, 1963. 27 p. (MIRA 17:4)

VASIL'YEV, Vsevolod Dmitriyevich; KVASOV, N.V., red.

[Securing patentability and notent clearance in design in chemical machinery mammfacture] Obespeciente patentosposobnosti i patentoci chistory pri proektirovanii v khimicheskom mashinostroenii. Leningrad, 1964. 29 p. (MIRA 18:3)

82734 \$/089/60/009/002/005/015 B006/B056

21.8100

AUTHORS:

Bregadze, Yu. J., Isayev, B. M., Kvasov, V. A.

TITLE:

An Ionization Method for Determining Absorbed Energy in

Hixed Fluxes of Fast Neutrons and y-Rays

PERIODICAL:

Atomnaya energiya, 1960, Vol. 9, No. 2, pp. 126-131

TEXT: A large number of papers have already dealt with gamma-dosimetry, 9 and several methods have been developed for neutron-dosimetry (also with a gamma background of 10 to 15%). If the absorbed doses  $D_{\gamma}$  and  $D_{n}$  are

nearly equal, the methods of photographic emulsion and the chemical methods are too inaccurate. Homogeneous, thimble ionization chambers (Refs. 7, 8) appear to be the most useful. In the present paper, the authors give results obtained when determining the absorbed doses in biological objects, obtained by the last-mentioned method. In this method, the neutron and gamma components are separated by using two chambers having different hydrogen contents in their walls. From the difference between the effects it is possible to determine the ratio of the components. It is of importance

Card 1/4

An Ionization Method for Determining Absorbed Energy in Mixed Fluxes of Fast Neutrons and  $\gamma$ -Rays

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that the chambers be homogeneous, i.e., that the walls have the same chemical composition as the filling gas, so that absorption coefficient and mass stopping power of wall and gas are equal. The authors operated with two and three chambers; the first chamber consisted of polyethylene, and was filled with ethylene, the second consisted of graphite with a CO<sub>2</sub> filling, the third was made from a special plastic material of the type "Aerion" (Ref. 12), filled with an ethylene-CO<sub>2</sub> mixture (1:1.25). The hydrogen content in the filling gas mixture was the same as in Aerion, the oxygen and carbon contents varied, which, however, did not essentially disturb the homogeneous behavior of the chamber. The conducting layer of the polyethylene chamber consisted of a semi-permeable aluminum foil (0.01 mg/cm<sup>2</sup>) which had been sputtered in vacuo. The volumes of the three chambers were 2.12, 2.26, and 2.59 cm<sup>3</sup>. The experiments were carried out on one of the horizontal holes of the MPT(IRT) reactor. A system of boron carbide and bismuth filters (150 mm thick) was used to reduce the gamma

Card 2/4

82734

An Ionization Method for Determining Absorbed Energy in Mixed Fluxes of Fast Neutrons and  $\gamma$ -Rays

s/089/60/009/002/005/015 B006/B056

and thermal neutron fluxes. The energy, W, necessary for the formation of ion pairs in the filling gases amounted to 27 ev, 33.5 ev, and 30.2 ev for the three chambers used. The data concerning the chemical composition of the biological tissues (Table 1) and the corresponding mass absorption coefficients are used to calculate the coefficients  $a_i$  and  $b_i$  ( $a_i$  denote the ratios between the true mass absorption coefficients of the wall material of the i-th chamber and the true mass absorption coefficients of the tissue;  $b_i$  denote the ratios between the energy absorbed in 1 g of the wall material of the i-th chamber and the energy absorbed in 1 g of tissue). The true mass absorption coefficients  $\mu/\varrho$  and the values of  $a_i$  for muscle and bone tissue as well as polyethylene, Aerion, and graphite are given in Table 2, and the values of  $b_i$  (for different neutron spectra) in Table 3. The  $b_i$ -values do not depend on the shape of the spectrum within the limits of measuring accuracy, which is of great importance, because it is not necessary to take the change in the spectral composition of the

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An Ionization Method for Determining Absorbed Energy in Mixed Fluxes of Fast Neutrons and y-Rays S/089/60/009/002/005/015 B006/B056

neutron flux into account when determining the tissue doses at various depths. The doses  $D_1$  -  $D_3$  absorbed in the walls of the three chambers cor-

respond to the following domes absorbed in muscles and bones:

Polyethylene: 1.04  $D_{\gamma}^{m}$  + 1.41  $D_{n}^{m}$  =  $D_{1}$ ; 1.07  $D_{\gamma}^{b}$  + 2.15  $D_{n}^{b}$  =  $D_{1}$ 

Aerion: 0.96  $D_{\gamma}^{m}$  + 0.55  $D_{n}^{m}$  =  $D_{2}$ ; 0.98  $D_{\gamma}^{b}$  + 0.85  $D_{n}^{b}$  =  $D_{2}$ .

Graphite: 0.915  $D_{\gamma}^{m}$  + 0.105  $D_{n}^{m}$  =  $D_{3}$ ; 0.94  $D_{\gamma}^{b}$  + 0.18  $D_{n}^{b}$  =  $D_{3}$ .

From these relations it is possible to calculate the tissue doses. The neutron-sensitivities of the chambers were between 0.2 and 8 Mev. A final investigation of the measurement of absorbed energy (for neutrons) resulted in an error of  $\sim 15\%$ . It depends only little on  $D_n/D_\gamma$ . The authors thank

Yu. F. Chernilin for his help, and G. B. Radziyevskiy for discussions. There are 3 figures, 3 tables, and 17 references: 6 Soviet, 2 British, 3 US, and 1 German.

SUBMITTED:

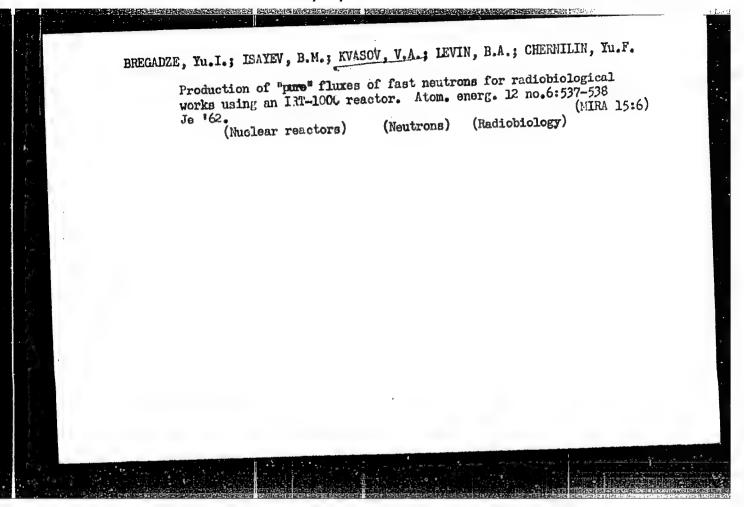
April 11, 1960

Card 4/4

KVASOV, V. A., ISAYEV, B. M., EREGADZE, Yu. I.

"Ionization Technique for the Evaluation of the Absorbed Energy in the Mixed Fluxes of Fast Neutrons and Gamma Rays."

Report presented at the meeting on Radiation Dosimetry, Intl. Atomic Energy Agency, Vienna, 7 - 11 June '61



KVASOV, V.A.; ASTRAKHAN, B.V.

Simple method for the interpolation of dosimetric data in setting up isodoses for multiple-field irradiation. Med. (MIRA 17:9)

rad. 9 no.2:39-93 F '164.

1. Radiologicheskoye otdeleniye (zav.- kand. med. nauk M.A. Volkova) Nauchno-issledovatel'skogo onkologicheskogo instituta imeni P.A. Gertsena (dir.-prof. A.N. Novikov).

KHOREV, V.N.; BARANOVA, N.A.; GORLACH, I.A.; KVASOV, Ye.I.; KRAMARENKO, I.S.;
MIRONOV, L.V.; PRIVALOV, S.S.; LYASKO, M.V.; DUBROV, N.F.;
MIRONOV, L.V.; KOKSHAROVA, I.K.; MIKHALEV, M.S.; LAZAREV, E.M.;
KUZNETSOVA, I.R.; LAPKIN, N.I.; KRASIL'NIKOV, N.A.; GOL'DSHTEYN, M.I.;
GUTERMAN, S.G.; ODINOKOV, Yu.I.; SKRYABIN, N.P.; KORSHCHIKOV, V.D.

REBEARCH by the Ural Ferrous Metal Research Institute. Stal'
22-no.71621,623,638-639,670 Jl '62. (MIRA 15:7)

(Metallurgical research)

S/0137/63/000/012/v039/v039

POLICHO.

ACCESSION NR: ARHOLILLI

SOURCE: RZh. Metallurgiya, Abs. 120291

AUTHOR: Corlach, I. A.; Kvasov, Ye. I.; Lapkin, N. I.

TITLE: Vacuum melting of solf-magnetic alloys

CITED SOURCE: Tr. Ural'skogo n.-i. in-ta chern. met, v. 2, 1963, 219-230

TOPIC TAGS: soft magnetic alloy, alloy vacuum melting, arc vacuum melting, induction vacuum melting, nickel manganese alloy melting

TRANSLATION: A study was made of the effect of the methods of vacuum melting on the chemical composition and magnetic properties of the most typical magnetic—soft alloys (50N, 79NM, 80NKMs). The alloys were melted in a 300 kg open inducation furnace with a magnesite crucible. Consumable electrodes in the form of the

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ACCESSION NR: ARMOTHILL

pressures of  $\mu$ -8 x  $10^{-2}$  mm Hg. In all, 9 meltings were carried out in the open induction furnace, 5 in an H2 atmosphere, and 13 IVM and 19 AVR were performed. The properties of the soft-magnetic alloys melted under vacuum were found to have higher values than those of alloys melted in air, and the properties of the alloys obtained by AVR had higher values than those of the alloys made by IVM. IN AVR, the volatilization of Ni amounted to an average 1.4%, and that of Mn, to 30-40%. D. Kashayeva.

DATE ACQ: 09Jan64

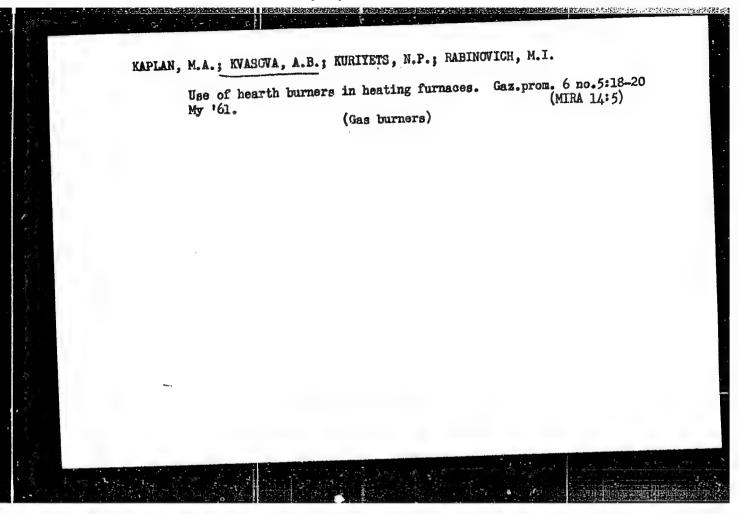
SUB CODE: ML

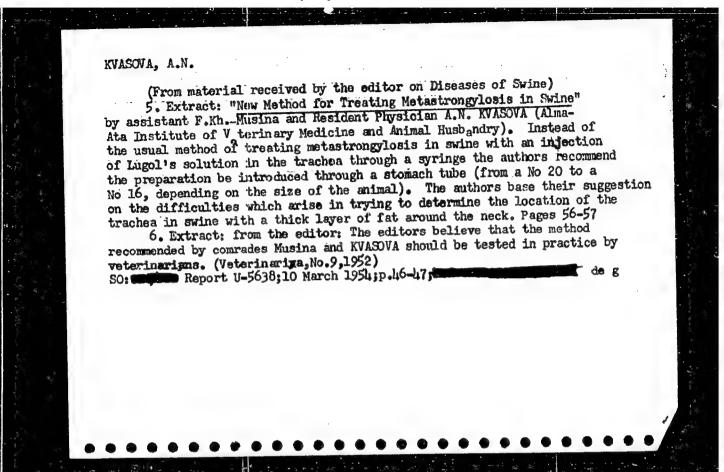
Card 2/2

GORLACH, I.A.; PRIVALOV, S.S.; MATYUGIN, A.S.; KVASOV, Ye.I.

Effect of heat treatment on the plasticity and magnetic properties of an iron alloy with 16% aluminum. Metalloved. i term. obr. met. no.ll:8-10 N \*63.

1. Ural'skiy nauchno-issledovatel'skiy institut chernoy metallurgii.



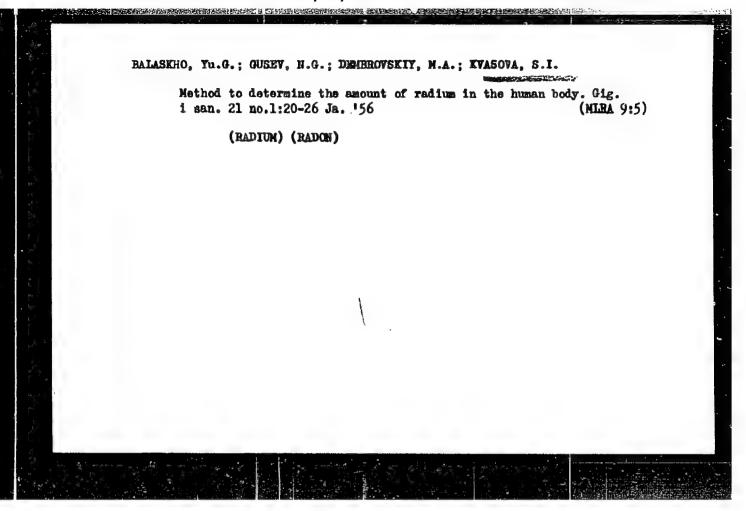


TEMKINA, A.A.; RUBAKHINA, N.N.; NOVIKOVA, N.N.; KVASOVA, E.I.; MOROZOVA, V.V.

Rapid method for determining low molecular compounds in polycaprolactam. Khim.volok. no.6:54-55 \*61. (MIRA 14:12)

1. Barnaul\*skiy zavod. (Azepinone)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000928310016-1"

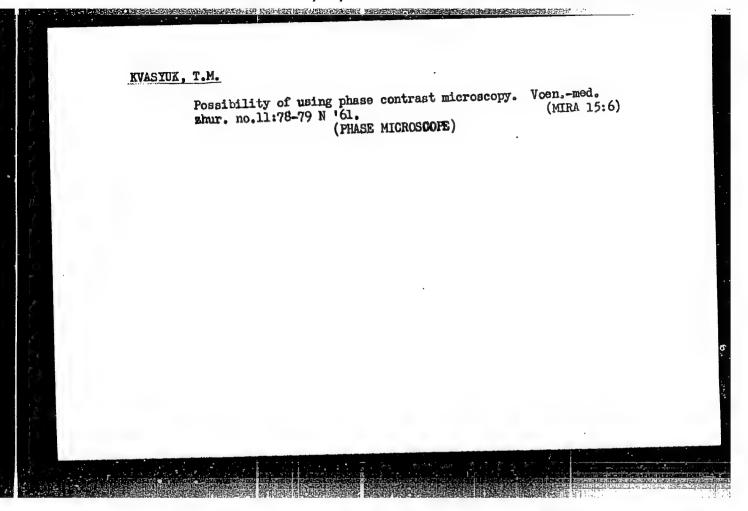


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	L 30-27-65 EVI (d)/EVT (1)/2 Po-4/Pq-4/Pf-4/Pg-4/Pac-2/Pt ACCESSION NR: AP5006573	TO1 (0) 3D/3/W/	EMP(h)/DNP(1) /BC 00/019/002h/002h	
	AUTHOR: Saltykov, B. M.; Yakur Yakovlev, A.I.; Gol'don, D. V.		Kondratenko, A. N.;	·/:
	TITLE: Method of controlling			1
- 1	SOURCE: Byulleten izobrotemi	y i tovarnykh znakov, no. 19, I	1964, 24	
	TOPIC TAGS: Automatic control, Translation: Mathod of control, Distinguishing feature: In order the transducer, the signal windir	ing slave systems.	rithout turning	
N <sup>2</sup>	ASSOCIATION: Gosudarstvennyy k for Aircraft Technology)	comitet po aviatsionnoy tekhnik	os (State Committee.	
	SURVITTED: 04Jun63	ENCIrt 00	SUB CODE: IE, EE	
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LULOVA, N.I.; TARASOV, A.I.; FEDOSOVA, A.K.; LEONT'YEVA, S.A.; KVASOVA, V.A.

Analysis of the wide fractions of straight-run gasoline by gasliquid chromatography. Khim. i tekh. topl. i masel 8 no.12: 21-28 D '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.



#### CZECHOSLOVAKIA

CATAR, G., Doc. MUDr, CSc.; SOBOTA, K.; KVASZ, L.; HRUZIK, Doc. MUDr, CSc

1. Parasitological Research Laboratory, Dept. of Biology, Faculty of Medicine, Comenius Univ. (Vyakumne laboratorium parazitologie pri Katedre biologie Lek. fak. University Komenakeho), Bratislava (for Catar and ?); 2. Dept. of Infectious Diseases (Katedra infekcnych chorob), Fac. of Med. Comenius Univ., Bratislava (for Hrusik, Head, and for ?)

Bratislava, Bratislavake lekarake listy, No 4, 28 Feb 67, pp 241-44

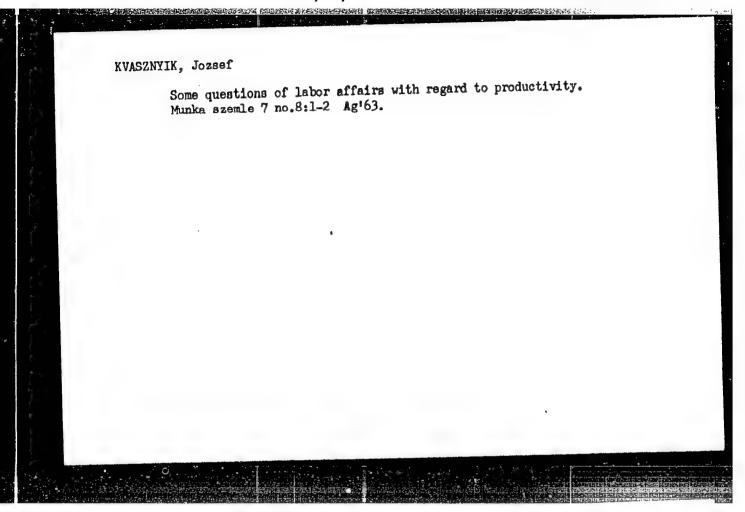
"First non-imported case of diphyllobothriosis in Csechoslovakia."

(4)

# APPROMED, FOR RELEASE; 206/49/2000 CIA-RDP86-00513R000928310016-1"

Positive complement fix tion reaction for toxoplasmosis in patients in an obstatrical-gynecological department. Bratisl. lek. listy 44 no.8:478-484 16.

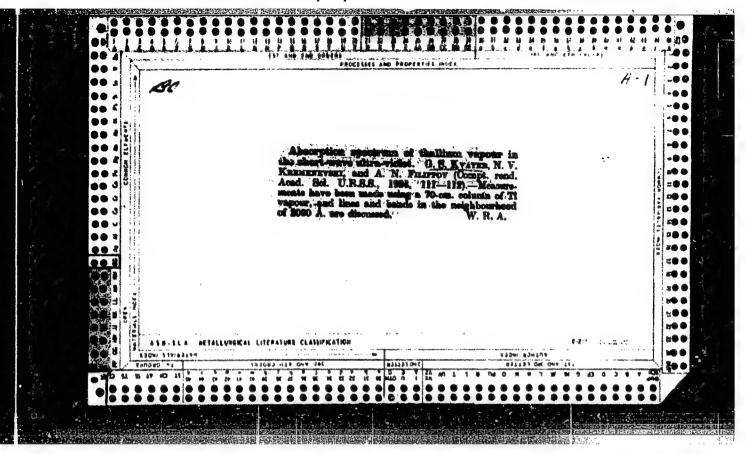
1. Vyskumne laboratorium parazitologie pri Katedre lekarskej biologie Lek. fak. Univerzity Komenskeho v Bratislave (veduci prof. MUDr. V. Vrsansky).

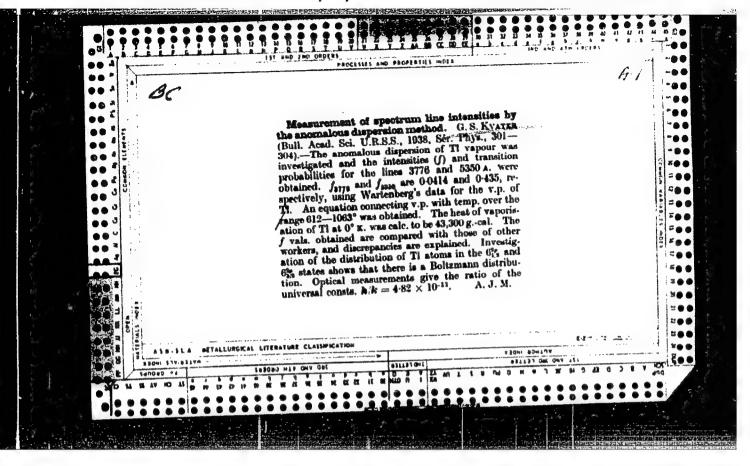


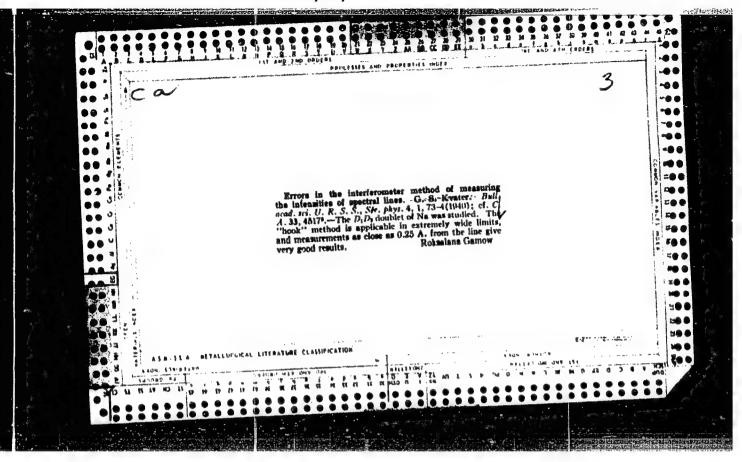
KVATADZE, G.I.

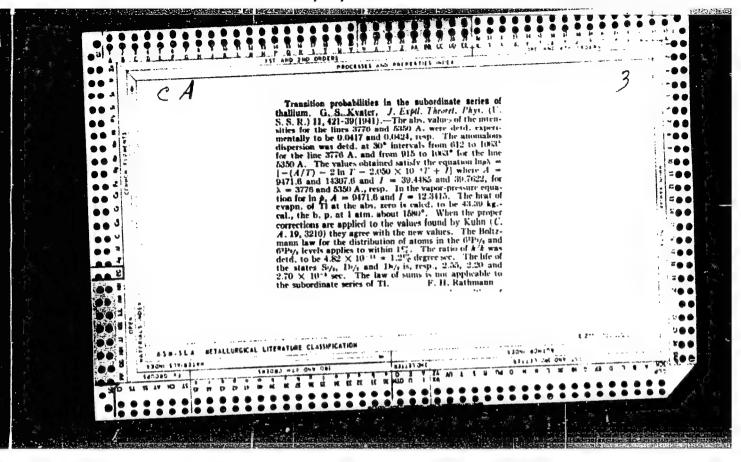
Wave properties of chates. Soob. AN Gruz. SSR 31 no. 3: 551-558 S 163. (MIRA 17:7)

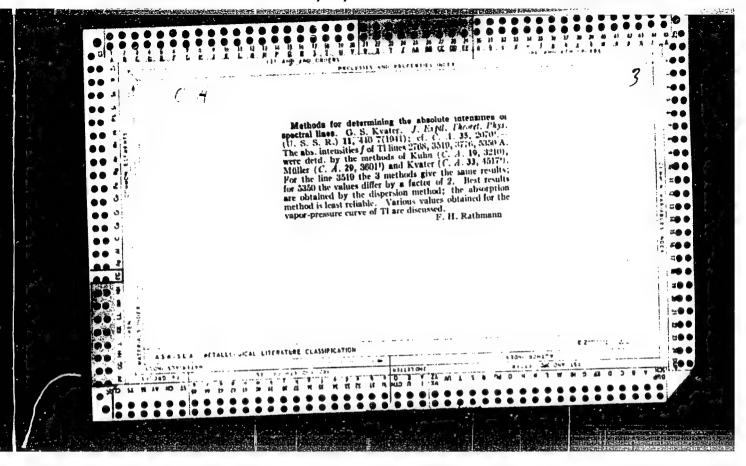
l. Gruzinskiy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii, Tbilisi. Predstavleno chlenom-korrespondentom AN GruzSSR P.G.Shengeliya.

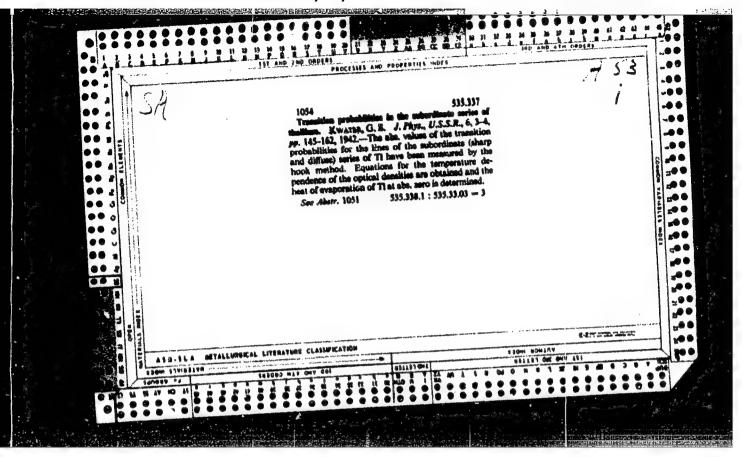


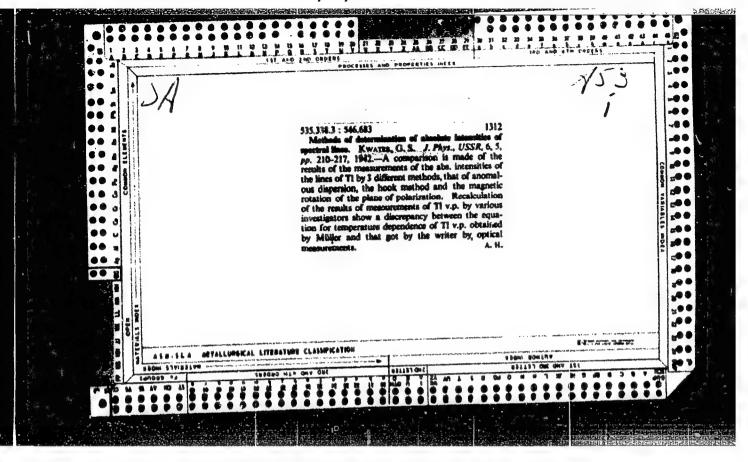


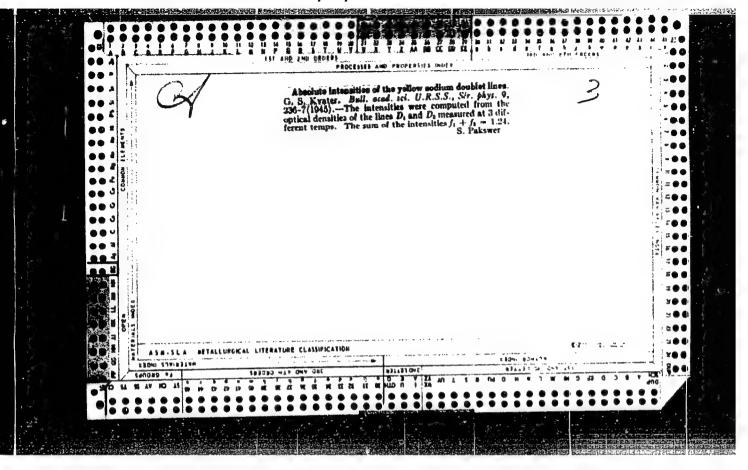


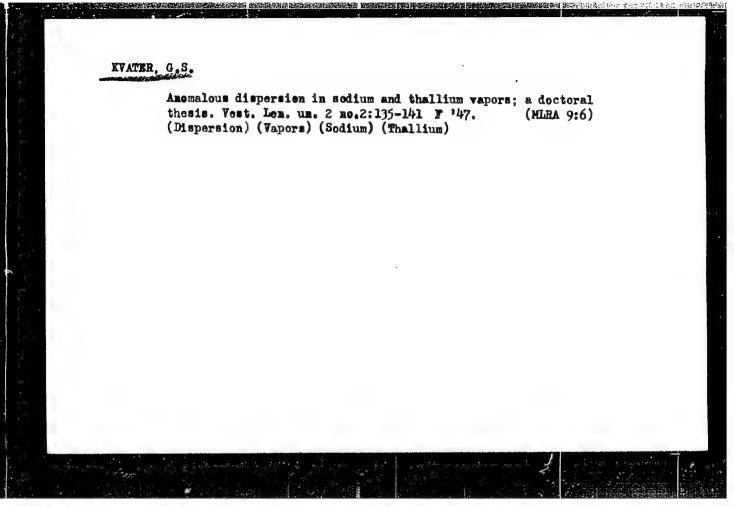












KVATER, C. S.

Thallium

Absorption spectrum of thallium vapors. Vest. Len. un. 7, No. 9, 1952.

An investigation of subjecy spectrum in an extensive region from wave length 3,776 to 2,000 R, which had not been studied before, the purpose being to photograph and measure the wave lengths of as large as possible number of I and II lines of secondary series with level P1 close to the boundary and to establish the exact value of the normal term. Earliest cited work of the author is in Doll AN SSSR Vol.1, 110 (1934), which was co-suthored with N.V.Kremenevskiy and A. N. Filippov/

252T107

Monthly List of Russian Accessions, Library of Congress June 1953. UKCL.

KVATER, G. S.; MEYSTER, T. G.

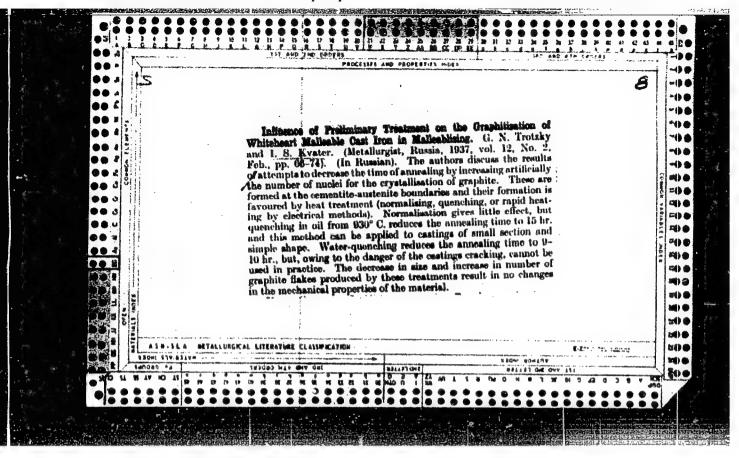
Cesium

Absolute values of probabilities for transitions of members in the principle cesium series. Vest. Len. 4. 7, No. 9, 1952.

Describe an invastigation of resonance doublet; eq of temp dependence of optical density; detn of abs values of f for resonance doublet; eq of vapor tension of Cs; investigation of 2-12th doublets; comparison with results of other authors with respect to eqs of Cs vapor tension and abs and relative values of transition probablilities. Earliest cited work of G. S. Kvater is in Iz. Ak. Neuk SSSR, 49, 301 (1938)

2521106

9. Monthly List of Russian Accessions, Library of Congress. June 1953, Unclassified.



REVIS, I.A., KVATER, I.S., Engineer; ARTEMIYEV, V.F., Engineer; PERSHIN, P.S. Engineer

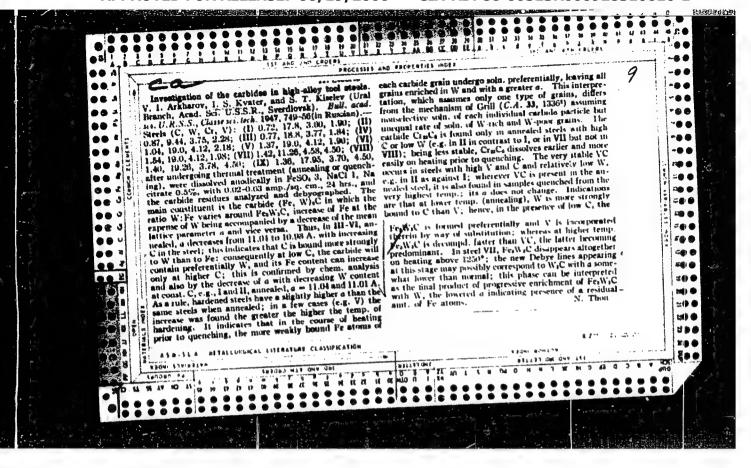
Mbr., Uralmash Plant (-1945-)

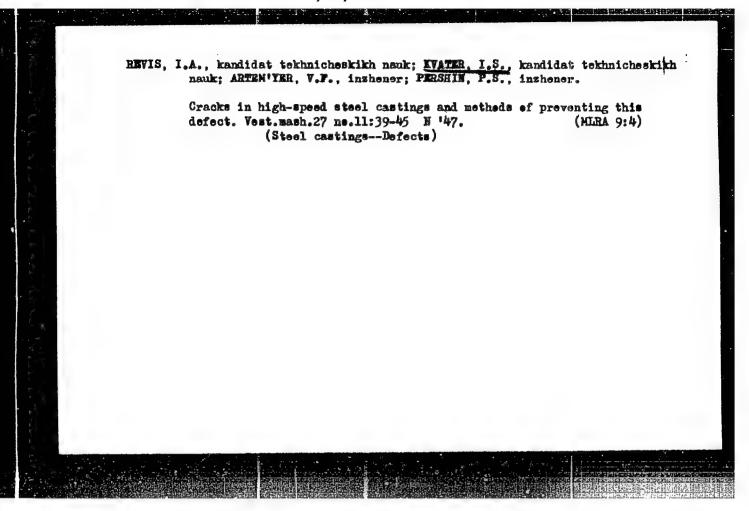
"The Technology of Making Cast Tools at the Uralmash Plant," Stanki I Instrument, 16, No. 3, 1945.

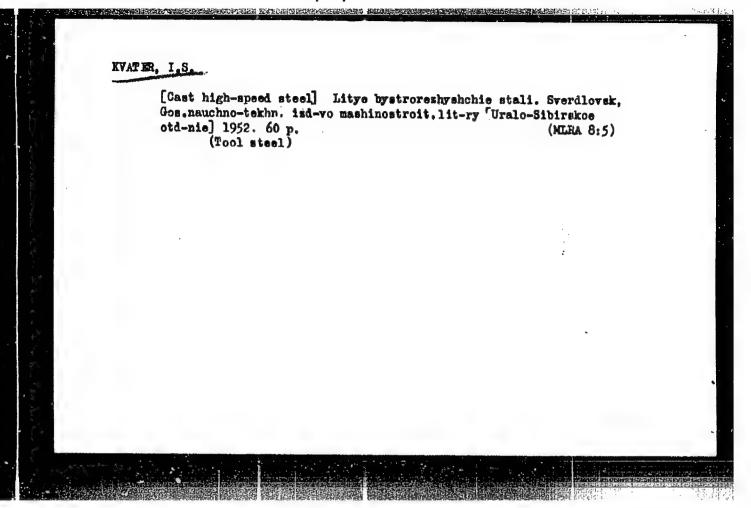
BR-52059019

### "APPROVED FOR RELEASE: 06/19/2000

#### CIA-RDP86-00513R000928310016-1







EVATER, I.S., kandidat tekhnicheskikh nauk; SKLYUYEV, P.V., kandidat tekhnicheskikh nauk.

Shortcomings of orankshaft standards. Standartizatsiia no.4: 55-56 Jl-Ag '56. (MLRA 9:11)

1. Uralmashzavod. (Cranks and crankshafts—Standards)

KVATER, 1-S.

#### PHASE I BOOK EXPLOITATION 1042

- Ural'skiy zavod tyazhelogo mashinostroyeniya, Sverdlovsk
- Kovka i termicheskaya obrabotka (Forging and Heat Treatment) Moscow, Mashgiz, 1958. 132 p. (Series: Its Sbornik statey, vyp 5) 6,000 copies printed.
- Ed.: Kvater, I.S., Engineer; Tech. Ed.: Dugina, N.A.; Ed. (Ural-Siberian Division, Mashgiz): Sustavov' M.I., Engineer.
- PURPOSE: This book is intended for engineers and technicians working in the field of forging and heat-treating of metals.
- COVERAGE: The book presents material which reflects the achievements of Uralmashzavod (Ural Heavy Machine-building Plant imeni S. Ordzhonikidze) in the field of forging and heat-treating of metals. Various improvements in production methods, mechanization and automation of forging and heat-treating processes, application of various methods of inspection of forgings and elimination of rejects are described. Specific information on improvements in

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Forging and Heat Treatment 1042

forging and heat-treating of large parts such as turbine discs and rotors, cold-rolling-mill rolls, and crankshafts are presented. Descriptions are given of the results of new studies undertaken with a view to elimination of rejects and improvement of the quality of parts, determination of residual stresses at various cooling speeds, data on the efficiency of ultrasonic inspection and the effect of degassing of molten steel on the quality of forgings. The book was prepared by the members of the plant organization of NTOmashprom in connection with the 25th anniversary of the Ural Heavy Machine-building Plant.

TABLE OF CONTENTS:

Kvater, I.S. Summary of Development of Forging and Heat-treating Production at the Ural Heavy Machine-building Plant

Lebedev, A.V., and Ustyugov, P.A. Welding Up of Internal Flaws in Large Forgings

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Zlatkin, M.G. Improvement of Open-die Forging

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Kamenskikh, V.N., and Sklyuyev, P.V. Heat treatment and Quality of Large Parts	73
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Zabludovskiy, V.M. Determination of Residual Stresses in Large Parts	111
Kozhevnikov, M.A. Investigation of Banks D.	115
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	Zabludovskiy, V.M. Effect of the Speed of Cooling of Cylindrical Parts on the Magnitude of Residual Stresses  Zabludovskiy, V.M. Determination of Residual Stresses in Large Parts  Kozhevnikov, M.A. Investigation of Parts Rejected on Ultrasonic Inspection  Kuruklis, G.L., and Vereshchagina, M.G. Sulphidization of Machine Parts  AVAILABLE: Library of Congress  GO/ksv 1-7-59

# og Name Bayes Bayes (1998) KVATER I.S.

AUTHOR: Kvater, I. S., Candidate of Technical Sciences. 129-11-6/7

TITLE: Work of the Forging and Heat Treatment Shops of the Uralmash Works. (Kuznechno-termicheskoye proizvodstvo

Üralmashzavoda).

PERIODICAL: Metallovedeniye i Obrabotka Metallov, 1957, No.11, pp. 72-76 (USSR)

ABSTRACT: The author discusses generally the problems relating to technology encountered by his Works in the production of various components of turbines and turbo-generators. The Uralmash Works have mastered the production of turbine discs of all dimensions made of carbon, Cr-Mo and Cr-Ni-Mo steels. The discs are so heat treated that yield point values of 28 to 75-93 kg/mm<sup>2</sup> are obtained. Due to consistency of the test results, the Works changed over in 1956 to testing of samples cut solely from the stepped part and not from the rim of turbine discs; additionally the discs are tested by means of ultrasonic apparatus. A new ingot mould was developed for ingots of 64 tons to be used mainly for the manufacture of rotors, which ensure most favourable directional crystallization. The Works produced successfully rotors for turbines of 25 000, Card 1/3 50 000, 100 000 and 150 000 kW ratings at 3000 r.p.m.